



MANU0099 - 02 - September 1997

ES-3850 Version 4.0.2 Release

FORE Systems Customers,

We are pleased to announce the availability of the software release 4.0.2 for the ES-3850. New features of the release include:

- Support for RFC 1483-based meshed PVCs.
- Rate queues
- LEC failover mechanism
- IP address on a per VLAN/ELAN basis

If you have any questions, or problems to report, you can contact our customer service by dialing 1-412-933-6260 or by sending e-mail to support@fore.com.

Laser Notice

Class 1 Laser Product:
This product conforms to
applicable requirements of
21 CFR 1040 at the date of
manufacture.

Class 1 lasers are defined as products which do not permit human access to laser radiation in excess of the accessible limits of Class 1 for applicable wavelengths and durations. These lasers are safe under reasonably foreseeable conditions of operation.

Limitations

1. Maximum VCC Configuration

- The ES-3850 does not recognize VCC values beyond 1023, *ForeRunner* ATM switch ports that the ES-3850 connects to should be configured for a maximum number of VCCs of 1024 (i.e. 0 to 1023).

2. Rate Queues

- When trying to configure two rate queues with the same rate (bandwidth), the ES-3850 rejects the second rate queue because the earlier rate queue can be applied to PVCs belonging to multiple VLANs.
- A rate queue with a given peak rate allocates the same rate to all the PVCs to which it is applied.

3. LAN Emulation Services

- It is recommended that LAN Emulation Services for the ES-3850 be configured to reflect the ATM switch configuration. For example, if the ATM switch uses the “Well-known Address” for LECS configuration, then the ES-3850 also should use the “Well-known Address”. If the ATM switch is configured with a LECS address, then the ES-3850 also should be configured with the same LECS address.
- Similarly, if the ES-3850 is moved to another switch that is not connected via PNNI to the first switch, the ES-3850 must be reconfigured to the new LECS address of the second switch.

4. Configuration

- Under Host:Configuration:IP:, the command 'mngt_vinet' does not take values other '0'. However, this does not restrict the ES-3850 management of various VLANs, and all the VLANs are termed as Management VLANs. The boot parameters can be changed if one has access to the admin password.

5. VCI Range

- The ES-3850 does not register the range of VCI values with an ATM switch using ILMI. As a result, if the switch port is configured to work on VCI values more than 1023, then when a call set up is made from the switch using values beyond 1023, the ES-3850 does not respond. The unit will freeze after some time.

Workaround: Configure the ATM switch port to work within 0-1023 VCI value range.

6. 1483 PVC Creation and Rate Queues

- There is a User Interface problem related to PVCs and Rate Queues. If PVCs are created and assigned to Rate Queues, and some Rate Queues are later deleted and the unit is re-booted, the ES-3850 still will show that PVCs still are being assigned to Rate Queues that were configured earlier. Changes made to the Rate Queues are not reflected.

Workaround: As a precaution, whenever a Rate Queue is being deleted, the User should change the PVCs associated with that Rate Queue to a different Rate Queue, or the PVCs of that Rate Queue should be deleted (and re-created later to a different RQ) before deleting the Rate Queue. The second option is preferred to protect Bandwidth allocations.